

Submersible Dive Biological Observations Metadata (200704)

Identification_Information:

Citation:

Citation_Information:

Originator: University of North Carolina at Wilmington

Publication_Date: 20021231

Title: Sebastian Pinnacles, Oculina Banks Clelia Dive 615 Narrative 2001 - Videotape and Visual Observations from Submersible Dives to the Oculina Banks Deep Sea Coral Reefs

Edition: One

Geospatial_Data_Presentation_Form: PDF

Publication_Information:

Publication_Place: Wilmington, NC

Publisher: NOAA Undersea Research Center at UNCW

Larger_Work_Citation:

Citation_Information:

Originator: University of North Carolina at Wilmington

Publication_Date: 20021231

Title: Oculina Banks Geographic Information System

Geospatial_Data_Presentation_Form: web site

Publication_Information:

Publication_Place: Wilmington, NC

Publisher: National Undersea Research Center at UNCW

Online_Linkage: <http://www.uncw.edu/oculina>

Description:

Abstract: These data are from one of fourteen 2001 submersible "Clelia" dives.

Narratives including habitat

descriptions and estimates of megafaunal species abundance were derived by J. Arcuri from videotapes recorded during the dives.

The suite of data presented in the Oculina Banks Geographic Information System (OGIS) were collected as part of a

cooperative project between: the National Oceanographic and Atmospheric Administration's (NOAA) Undersea Research

Program, NOAA Fisheries (also primary sponsor of OGIS), NOAA Ocean Service, NOAA Ocean Exploration Program, the

U.S. Geological Survey (USGS)-- Coastal and Marine Geology Program, Harbor Branch Oceanographic Institution (HBOI) and

Florida State University. An Oculina Geographic Information System (OGIS) provides a comprehensive, interactive data source for the Oculina Banks Habitat Area

of Particular Concern (OHAPC), a marine protected area off the east coast of Florida in 70 to 120 meters of water

depth. Data layers include: : multi-beam bathymetry, single-beam bathymetry, sidescan mosaics, sediment

analyses, resulting interpretative maps of habitat types, video and still imagery from submersible (human occupied

and remotely operated vehicles) dive transects and point counts (fish and habitat cover), and dive narratives.

Purpose: The goal of OGIS is to provide interactive access to a variety of data sources that characterize fish populations and habitat

condition in the OHAPC, for use by fisheries managers, scientists and the general public.

The Oculina_fish.shp

dataset includes dive narratives for fourteen "Clelia" dives conducted during the 2001 "Islands in the Stream" expedition. They include

information on coral cover, habitats seen, human impacts, and dominant megafaunal species visible in videotape records.

Supplemental_Information: The dive narratives include references to relevant photo/video imagery (digital mpeg, jpeg or gif files), including the camera system used.

Separate metadata records describe the digital imagery captured from the videotapes. The OGIS access points for images are not precisely located,

but assigned to an estimated center location of the dive. The dive narratives give a general description of the habitat type during the dive

and fish populations on the whole dive. Ms. Jennifer Acuri reviewed the tapes and quantified them using level 1 REEF classification methods

(<http://www.reef.org>) to estimate the dominant megafaunal (fish and invertebrates) species.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20010902

Currentness_Reference: Ground condition

Status:

Progress: In Work

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Description_of_Geographic_Extent: Jeff's Reef on Oculina Banks off eastern Florida

Bounding_Coordinates:

West_Bounding_Coordinate: -79.96460833

East_Bounding_Coordinate: -79.96083333

North_Bounding_Coordinate: 27.86198667

South_Bounding_Coordinate: 27.85478000

Keywords:

Theme:

Theme_Keyword_Thesaurus: CoRIS Theme Thesaurus

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > GIS

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > Benthos analysis > Transect monitoring

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > Benthos analysis > Transect monitoring > Video transect

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > Damage assessment > Visual

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > Mapping > Habitat mapping

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > In situ biological

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > Reef fish census > Linear transect

Theme_Keyword: EARTH SCIENCE > Oceans > Marine Biology > Fish > Fish assemblages

Theme_Keyword: EARTH SCIENCE > Oceans > Marine Biology > Fish > Fish census

Theme_Keyword: EARTH SCIENCE > Oceans > Coastal processes > Coral Reefs > Marine Protected Areas

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Deep water corals

Theme_Keyword: EARTH SCIENCE > Oceans > Coastal processes > Coral Reefs > Coral reef ecology > Hard coral cover

Theme_Keyword: EARTH SCIENCE > Oceans > Coastal processes > Coral Reefs > Coral reef ecology > Habitats

Theme_Keyword: EARTH SCIENCE > Biosphere > Zoology > Corals > Reef damage assessment > Destructive fishing practices

Theme_Keyword: EARTH SCIENCE > Biosphere > Aquatic habitat > Reef habitat > Description

Theme_Keyword: EARTH SCIENCE > Oceans > Marine Biology > Marine invertebrates > Macroinvertebrates

Theme:

Theme_Keyword_Thesaurus: ISO 19115:2003 MD_TopicCategoryCode

Theme_Keyword: biota

Theme_Keyword: 002

Theme:

Theme_Keyword_Thesaurus: CoRIS Discovery Thesaurus

Theme_Keyword: Numeric Data Sets > Biology

Place:

Place_Keyword_Thesaurus: CoRIS Place Keyword Thesaurus

Place_Keyword: OCEAN BASIN > Atlantic Ocean > North Atlantic Ocean > Florida Reef

Tract > Oculina Deepwater Reef (27N080W0002)

Taxonomy:

Keywords/Taxon:

Taxonomic_Keyword_Thesaurus: CoRIS Theme Keyword Thesaurus

Taxonomic_Keywords: EARTH SCIENCE > Biosphere > Zoology > Corals

Taxonomic_Keywords: EARTH SCIENCE > Oceans > Coastal Processes > Coral Reefs

Taxonomic_Keywords: Coral Reefs

Keywords/Taxon:

Taxonomic_Keyword_Thesaurus: none

Taxonomic_Keywords: Hard corals

Taxonomic_Keywords: Soft corals

Taxonomic_Keywords: Coral reefs

Taxonomic_Keywords: Coral

Taxonomic_Keywords: Reef fish

Taxonomic_Keywords: Fishes

Taxonomic_Keywords: Gorgonians

Taxonomic_Keywords: Invertebrates

Taxonomic_Keywords: Octocorals

Taxonomic_Keywords: Oculina

Taxonomic_Keywords: Deep water corals

Taxonomic_System:

Classification_System/Authority:

Classification_System_Citation:

Citation_Information:

Originator: ITIS organization and partners

Publication_Date: 20020602

Title: Integrated Taxonomic Information System (ITIS)

Edition: None

Geospatial_Data_Presentation_Form: Database

Publication_Information:

Publication_Place: World Wide Web at URL:

http://www.itis.usda.gov/itis_query.html

Publisher: Integrated Taxonomic Information System (ITIS) organization and partners

Classification_System_Modifications: A species list is provided in the original data files.

Organisms identified by family, subfamily, genus, or

genus and species during the surveys are included in this metadata record using NODC methodology. Higher level taxonomy of species was completed, and species synonyms were noted, FOR THIS METADATA RECORD ONLY using the Integrated Taxonomic Information System (ITIS) in conjunction with additional taxonomic and museum references as required. No originator data have been altered; higher level

taxonomy is added to selected biological metadata records as an aid to search engines which utilize metadata.

Taxonomic_Procedures: Unknown

Taxonomic_Completeness: Unknown

General_Taxonomic_Coverage: Author recorded specimens to family, subfamily, genus, or genus and species; higher level taxonomy was completed as an aid to search engines.

Taxonomic_Classification:

Taxon_Rank_Name: Kingdom

Taxon_Rank_Value: Animalia

Applicable_Common_Name: animals

Taxonomic_Classification:

Taxon_Rank_Name: Phylum

Taxon_Rank_Value: Arthropoda

Taxonomic_Classification:

Taxon_Rank_Name: Class

Taxon_Rank_Value: Pycnogonida

Applicable_Common_Name: unidentified sea spider

Taxonomic_Classification:

Taxon_Rank_Name: Class

Taxon_Rank_Value: Malacostraca

Taxonomic_Classification:

Taxon_Rank_Name: Order

Taxon_Rank_Value: Decapoda

Applicable_Common_Name: crabs

Applicable_Common_Name: shrimp

Taxonomic_Classification:

Taxon_Rank_Name: Suborder

Taxon_Rank_Value: Pleocyemata

Taxonomic_Classification:

Taxon_Rank_Name: Infraorder

Taxon_Rank_Value: Anomura

Applicable_Common_Name: unidentified hermit crab

Taxonomic_Classification:

Taxon_Rank_Name: Phylum

Taxon_Rank_Value: Cnidaria

Taxonomic_Classification:

Taxon_Rank_Name: Class

Taxon_Rank_Value: Anthozoa

Applicable_Common_Name: corals

Applicable_Common_Name: sea anemones

Taxonomic_Classification:

Taxon_Rank_Name: Order

Taxon_Rank_Value: Ceriantharia

Applicable_Common_Name: tube-dwelling anemones

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Cerianthidae

Applicable_Common_Name: unidentified anemone

Taxonomic_Classification:

Taxon_Rank_Name: Order

Taxon_Rank_Value: Scleractinia

Applicable_Common_Name: stony corals

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Oculinidae

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Oculina

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: Oculina species
Applicable_Common_Name: unidentified oculina species

Taxonomic_Classification:
Taxon_Rank_Name: Phylum
Taxon_Rank_Value: Echinodermata

Taxonomic_Classification:
Taxon_Rank_Name: Class
Taxon_Rank_Value: Echinoidea
Applicable_Common_Name: urchins
Applicable_Common_Name: sand dollars

Taxonomic_Classification:
Taxon_Rank_Name: Order
Taxon_Rank_Value: Diadematoida
Taxonomic_Classification:
Taxon_Rank_Name: Family
Taxon_Rank_Value: Diadematidae
Applicable_Common_Name: unidentified black long-spined sea urchin

Taxonomic_Classification:
Taxon_Rank_Name: Class
Taxon_Rank_Value: Ophiuroidea
Applicable_Common_Name: unidentified brittle star

Taxonomic_Classification:
Taxon_Rank_Name: Phylum
Taxon_Rank_Value: Chordata
Taxonomic_Classification:
Taxon_Rank_Name: Class
Taxon_Rank_Value: Actinopterygii
Applicable_Common_Name: ray-finned fishes

Taxonomic_Classification:
Taxon_Rank_Name: Order
Taxon_Rank_Value: Anguilliformes
Applicable_Common_Name: eels
Taxonomic_Classification:
Taxon_Rank_Name: Family
Taxon_Rank_Value: Muraenidae
Applicable_Common_Name: moray eels
Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: Gymnothorax
Applicable_Common_Name: common morays
Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: Gymnothorax moringa
Applicable_Common_Name: spotted moray

Taxonomic_Classification:
Taxon_Rank_Name: Order
Taxon_Rank_Value: Beryciformes
Taxonomic_Classification:
Taxon_Rank_Name: Family
Taxon_Rank_Value: Holocentridae
Applicable_Common_Name: squirrelfishes
Applicable_Common_Name: soldierfishes
Taxonomic_Classification:
Taxon_Rank_Name: Genus

Taxon_Rank_Value: Holocentrus
Applicable_Common_Name: squirrelfishes
Applicable_Common_Name: soldierfishes
Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: Holocentrus species
 Applicable_Common_Name: unidentified Holocentrus species

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: Holocentrus adscensionis
 Applicable_Common_Name: squirrelfish

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: Plectrypops
Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: Plectrypops retrospinis
 Applicable_Common_Name: cardinal soldierfish
 Applicable_Common_Name: goggle-eyed squirrelfish

Taxonomic_Classification:
 Taxon_Rank_Name: Order
 Taxon_Rank_Value: Lophiiformes
 Applicable_Common_Name: anglerfishes

Taxonomic_Classification:
 Taxon_Rank_Name: Family
 Taxon_Rank_Value: Ogcocephalidae
 Applicable_Common_Name: batfishes

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: Ogcocephalus
Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: Ogcocephalus species
 Applicable_Common_Name: unidentified batfish

Taxonomic_Classification:
 Taxon_Rank_Name: Order
 Taxon_Rank_Value: Perciformes
 Applicable_Common_Name: perch-like fishes

Taxonomic_Classification:
 Taxon_Rank_Name: Family
 Taxon_Rank_Value: Acanthuridae
 Applicable_Common_Name: surgeonfishes
 Applicable_Common_Name: tangs

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: Acanthurus
 Applicable_Common_Name: surgeonfishes
 Applicable_Common_Name: tangs

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: Acanthurus species
 Applicable_Common_Name: unidentified Acanthurus species

Taxonomic_Classification:
 Taxon_Rank_Name: Family
 Taxon_Rank_Value: Apogonidae
 Applicable_Common_Name: cardinalfishes

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Apogon

Applicable_Common_Name: common cardinalfishes

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Apogon pseudomaculatus

Applicable_Common_Name: twospot cardinalfish

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Callionymidae

Applicable_Common_Name: unidentified Callionymidae

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Carangidae

Applicable_Common_Name: jacks

Applicable_Common_Name: pampanos

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Seriola

Applicable_Common_Name: amberjacks

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Seriola dumerili

Applicable_Common_Name: greater amberjack

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Seriola rivoliana

Applicable_Common_Name: Pacific amberjack

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Chaetodontidae

Applicable_Common_Name: butterflyfishes

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Chaetodon

Applicable_Common_Name: butterflyfishes

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Chaetodon species

Applicable_Common_Name: unidentified butterflyfish

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Chaetodon ocellatus

Applicable_Common_Name: spotfin butterflyfish

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Chaetodon sedentarius

Applicable_Common_Name: reef butterflyfish

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Chaetodon aya (Invalid name listed in data set- Valid

synonym is Prognathodes aya below)

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Prognathodes

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Prognathodes aya

Applicable_Common_Name: bank butterflyfish

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Labridae

Applicable_Common_Name: unidentified Labridae

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Labridae

Applicable_Common_Name: wrasses

Applicable_Common_Name: rainbowfishes

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Bodianus

Applicable_Common_Name: hogfishes

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Bodianus pulchellus

Applicable_Common_Name: spotfin hogfish

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Decodon

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Decodon puellaris

Applicable_Common_Name: red hogfish

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Halichoeres

Applicable_Common_Name: wrasses

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Halichoeres species ('Halichores species' in data - misspelled)

Applicable_Common_Name: unidentified Halichoeres species

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Halichoeres bathyphilus ('Halichores bathyphilus' in data - misspelled)

Applicable_Common_Name: greenband wrasse

Taxonomic_Classification:

Taxon_Rank_Name: Family

Taxon_Rank_Value: Pomacanthidae

Applicable_Common_Name: angelfishes

Taxonomic_Classification:

Taxon_Rank_Name: Genus

Taxon_Rank_Value: Holacanthus

Applicable_Common_Name: angelfishes

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: Holacanthus bermudensis

Applicable_Common_Name: blue angelfish

Taxonomic_Classification:

Taxon_Rank_Name: Species

Taxon_Rank_Value: *Holacanthus ciliaris*
Applicable_Common_Name: queen angelfish

Taxonomic_Classification:

Taxon_Rank_Name: Family
Taxon_Rank_Value: Pomacentridae

Applicable_Common_Name: damselfishes

Taxonomic_Classification:

Taxon_Rank_Name: Genus
Taxon_Rank_Value: Chromis

Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: *Chromis cyanea*
Applicable_Common_Name: blue chromis

Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: *Chromis encrysurus* (Invalid name listed in data set- Valid synonym is *Chromis encrysura* below)

Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: *Chromis encrysura*
Applicable_Common_Name: yellowtail reefish

Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: *Chromis scotti*
Applicable_Common_Name: purple reefish

Taxonomic_Classification:

Taxon_Rank_Name: Genus
Taxon_Rank_Value: Pomacentrus

Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: Pomacentrus species ('Pomacentrus species' in data - misspelled)

Applicable_Common_Name: unidentified Pomacentrus species

Taxonomic_Classification:

Taxon_Rank_Name: Family
Taxon_Rank_Value: Priacanthidae
Applicable_Common_Name: bigeyes

Taxonomic_Classification:

Taxon_Rank_Name: Genus
Taxon_Rank_Value: Priacanthus
Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Priacanthus arenatus*
Applicable_Common_Name: bigeye

Taxonomic_Classification:

Taxon_Rank_Name: Genus
Taxon_Rank_Value: Pristigenys

Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: *Pristigenys alta*
Applicable_Common_Name: short bigeye

Taxonomic_Classification:

Taxon_Rank_Name: Family
Taxon_Rank_Value: Sciaenidae
Applicable_Common_Name: croakers
Applicable_Common_Name: drums

Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Equetus

 Applicable_Common_Name: ribbonfishes

Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Equetus species

 Applicable_Common_Name: unidentified ribbonfish

Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Equetus lanceolatus

 Applicable_Common_Name: jackknife fish

Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Equetus iwamotoi (Invalid name listed in data set- Valid

synonym is Pareques iwamotoi below)

Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Pareques

Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Pareques iwamotoi

 Applicable_Common_Name: blackbar drum

Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Equetus

 Applicable_Common_Name: ribbonfishes

Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Equetus umbrosus (Invalid name listed in data set- Valid

synonym is Pareques umbrosus below)

Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Pareques

Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Pareques umbrosus

 Applicable_Common_Name: cubbyu

Taxonomic_Classification:

 Taxon_Rank_Name: Family

 Taxon_Rank_Value: Serranidae

 Applicable_Common_Name: groupers

 Applicable_Common_Name: sea basses

Taxonomic_Classification:

 Taxon_Rank_Name: Subfamily

 Taxon_Rank_Value: Anthiinae

 Applicable_Common_Name: unidentified Anthiinae

Taxonomic_Classification:

 Taxon_Rank_Name: Family

 Taxon_Rank_Value: Serranidae

 Applicable_Common_Name: groupers

 Applicable_Common_Name: sea basses

Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Centropristis

 Applicable_Common_Name: sea basses

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Centropristes fuscula*
Applicable_Common_Name: twospot sea bass

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Centropristes ocyurus*
Applicable_Common_Name: bank sea bass

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Centropristes striata*
Applicable_Common_Name: black sea bass

Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: *Diplectrum*

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Diplectrum formosum*
Applicable_Common_Name: serrano
Applicable_Common_Name: sand perch

Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: *Epinephelus*
Applicable_Common_Name: groupers

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Epinephelus drummondhayi*
Applicable_Common_Name: speckled hind

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Epinephelus niveatus*
Applicable_Common_Name: snowy grouper

Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: *Hemanthias*

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Hemanthias vivanus*
Applicable_Common_Name: red barbier

Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: *Holanthias*

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Holanthias martinicensis* (Invalid name listed in data set-
Valid synonym is *Pronotogrammus martinicensis* below)

Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: *Pronotogrammus*

Taxonomic_Classification:
Taxon_Rank_Name: Species
Taxon_Rank_Value: *Pronotogrammus martinicensis*
Applicable_Common_Name: roughtongue bass

Taxonomic_Classification:
Taxon_Rank_Name: Genus
Taxon_Rank_Value: *Liopropoma*

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Liopropoma eukrines*
 Applicable_Common_Name: Wrasse bass

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: *Mycteroptera*

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Mycteroptera phenax*
 Applicable_Common_Name: scamp

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: *Plectranthias*

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Plectranthias garrupellus*
 Applicable_Common_Name: apricot bass

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: *Rypticus*
 Applicable_Common_Name: soapfishes

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Rypticus maculatus*
 Applicable_Common_Name: whitespotted soapfish

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: *Serranus*

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Serranus flaviventris*
 Applicable_Common_Name: twinspot bass

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Serranus phoebe*
 Applicable_Common_Name: tattler

Taxonomic_Classification:
 Taxon_Rank_Name: Family
 Taxon_Rank_Value: Sparidae
 Applicable_Common_Name: porgies

Taxonomic_Classification:
 Taxon_Rank_Name: Genus
 Taxon_Rank_Value: *Pagrus*

Taxonomic_Classification:
 Taxon_Rank_Name: Species
 Taxon_Rank_Value: *Pagrus pagrus*
 Applicable_Common_Name: red porgy

Taxonomic_Classification:
 Taxon_Rank_Name: Order
 Taxon_Rank_Value: Pleuronectiformes
 Applicable_Common_Name: flounders

Taxonomic_Classification:
 Taxon_Rank_Name: Family
 Taxon_Rank_Value: Paralichthyidae
 Applicable_Common_Name: lefteye flounders

Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Paralichthys

 Applicable_Common_Name: southern flounders

 Applicable_Common_Name: summer flounders

 Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Paralichthys species

 Applicable_Common_Name: unidentified Paralichthys species

Taxonomic_Classification:

 Taxon_Rank_Name: Order

 Taxon_Rank_Value: Scorpaeniformes

 Applicable_Common_Name: scorpion fishes

 Applicable_Common_Name: sculpins

 Taxonomic_Classification:

 Taxon_Rank_Name: Family

 Taxon_Rank_Value: Scorpaenidae

 Applicable_Common_Name: scorpionfishes

 Applicable_Common_Name: goblinfishes

 Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Scorpaena

 Applicable_Common_Name: scorpionfishes

 Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Scorpaena species

 Applicable_Common_Name: unidentified scorpionfish

Taxonomic_Classification:

 Taxon_Rank_Name: Order

 Taxon_Rank_Value: Tetraodontiformes

 Applicable_Common_Name: filefishes

 Applicable_Common_Name: puffers

 Applicable_Common_Name: triggerfishes

 Taxonomic_Classification:

 Taxon_Rank_Name: Family

 Taxon_Rank_Value: Tetraodontidae

 Applicable_Common_Name: toadfishes

 Applicable_Common_Name: puffers

 Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Canthigaster

 Applicable_Common_Name: sharpnosed puffers

 Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Canthigaster species

 Applicable_Common_Name: unidentified sharpnosed puffer

 Taxonomic_Classification:

 Taxon_Rank_Name: Species

 Taxon_Rank_Value: Canthigaster urosticta (Invalid name listed in data set- Valid synonym not found)

 Taxonomic_Classification:

 Taxon_Rank_Name: Genus

 Taxon_Rank_Value: Sphoeroides

 Applicable_Common_Name: common puffers

 Applicable_Common_Name: swellfishes

 Taxonomic_Classification:

Taxon_Rank_Name: Species
Taxon_Rank_Value: Sphoeroides spengleri
Applicable_Common_Name: bandtail puffer

Access_Constraints: There are no access constraints to the narrative pdf files.

The source videotapes are archived at NOAA (Ocean Exploration program 301-713-9444), and may not be readily accessible.

Use_Constraints: Not for legal use. If these data are used, please credit NOAA Marine Fisheries Service and the NOAA Undersea Research Center at the University of North Carolina at Wilmington

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: NOAA Undersea Research Center at UNCW

Contact_Person: Andrew N. Shepard

Contact_Position: Associate Director, NURC

Contact_Address:

Address_Type: mailing and physical address

Address: NURC/UNCW, 5600 Marvin Moss Ln

City: Wilmington

State_or_Province: North Carolina

Postal_Code: 28409

Country: USA

Contact_Voice_Telephone: 910-962-2446

Contact_Facsimile_Telephone: 910-962-2444

Contact_Electronic_Mail_Address: sheparda@uncw.edu

Hours_of_Service: Mon-Fri, 8 am - 5 pm

Data_Quality_Information:

Logical_Consistency_Report: Data are believed to be logically consistent, though no tests were performed.

Completeness_Report: Each Clelia submersible dive narrative is designed to describe dominant fish species and habitat

types seen on video. All sub dives conducted during the 2001 Islands in the Stream expedition were described.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Position assigned to each point is an estimated center location of the dive. This was calculated based on the

complete dive track provided by the ship. The dive track is calculated using the ship's Differential GPS and a

slant-range positioning system that estimates bearing and range to the submersible; estimated accuracy of each

calculated position along the dive track is plus/minus 10 meters.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report: Depth recorded for each dive is taken directly from the submersible's depth recorder, which measures in increments

of 0.1 feet (3 cm).

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: NOAA National Ocean Service

Publication_Date: 20021231

Title: Videotapes from 2001 Clelia sub dives to the Oculina Banks

Edition: One

Geospatial_Data_Presentation_Form: video tapes

Publication_Information:

Publication_Place: Wilmington, NC

Publisher: NOAA Undersea Research Center at UNCW

Larger_Work_Citation:

Citation_Information:

Originator: NOAA National Ocean Service

Publication_Date: 20021231

Title: 2001 Islands in the Stream Submersible Expedition

Geospatial_Data_Presentation_Form: web site

Publication_Information:

Publication_Place: NOAA, Marine Sanctuaries, 1335 East West Hwy, Silver Spring

MD 20910

Publisher: NOAA Marine Sanctuaries Division

Online_Linkage: <http://www.oceanexplorer.noaa.gov>

Type_of_Source_Media: videotape

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20010902

Source_Currentness_Reference: ground condition

Source_Citation_Abbreviation: Clelia Dive 615 Videotape

Source_Contribution: Videotapes taken during the dive.

Source_Information:

Source_Citation:

Citation_Information:

Originator: University of North Carolina at Wilmington

Publication_Date: 20021231

Title: Dive logs from 2001 Clelia dives at the Oculina Banks

Edition: One

Geospatial_Data_Presentation_Form: text document

Larger_Work_Citation:

Citation_Information:

Originator: NOAA National Ocean Service

Publication_Date: 20021231

Title: 2001 Islands in the Stream Submersible Expedition

Geospatial_Data_Presentation_Form: web site

Type_of_Source_Media: paper dive logs

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20010902

Source_Currentness_Reference: ground condition

Source_Citation_Abbreviation: Clelia Dive 615 Logs

Source_Contribution: Visual observations during the dive.

Process_Step:

Process_Description: Ms. J. Arcuri reviewed source data (videotapes and written dive logs prepared by scientists in the submersible) and created narrative files (1 per sub dive) that include: information on megafauna seen, habitat types, and other observations (e.g., trash).

Estimates of fish abundance are REEF level 1 criteria (www.reef.org).

Source_Used_Citation_Abbreviation: Clelia Dive 615 Logs and Clelia Dive 615 Videotape

Process_Date: 20011231

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Andrew N. Shepard

Contact_Organization: NOAA Undersea Research Center at UNCW

Contact_Address:

Address_Type: mailing and physical address
Address: NURC/UNCW, 5600 Marvin Moss Ln
City: Wilmington
State_or_Province: North Carolina
Postal_Code: 28409
Country: USA

Contact_Voice_Telephone: 910-962-2446

Contact_Facsimile_Telephone: 910-962-2444

Contact_Electronic_Mail_Address: sheparda@uncw.edu

Hours_of_Service: Mon-Fri, 8 am -5 pm

Entity_and_Attribute_Information:**Overview_Description:**

Entity_and_Attribute_Overview: Videotapes (mini-DV) collected with an underwater 3-chip CCD color video camera, deployed from the research

submersible, Clelia (owned by Harbor Branch Oceanographic Inst.). Attribute table provides access to dive narrative

pdf files. Fish abundances were estimated using the REEF classification method. The designations are as follows:

S=single, F=few (2-10), M=many (11-100) A=abundant (>100).

Entity_and_Attribute_Detail_Citation: None

Distribution_Information:**Distributor:****Contact_Information:****Contact_Organization_Primary:**

Contact_Organization: NOAA Undersea Research Center at UNCW

Contact_Person: Andrew N. Shepard

Contact_Position: Associate Director, NURC

Contact_Address:

Address_Type: mailing and physical address

Address: NURC/UNCW, 5600 Marvin Moss Ln

City: Wilmington

State_or_Province: North Carolina

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Country: USA

Contact_Voice_Telephone: 910-962-2446

Contact_Facsimile_Telephone: 910-962-2444

Contact_Electronic_Mail_Address: sheparda@uncw.edu

Hours_of_Service: Mon-Fri, 8 am - 5 pm

Resource_Description: 2001 Clelia dive narratives

Distribution_Liability: No warranty expressed or implied is made by NURC regarding the utility of the data format on any other system, nor

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cannot assume liability for any damages caused by any errors or omissions in these data, nor as a result of the failure of these data to function on a particular system.

Standard_Order_Process:**Digital_Form:****Digital_Transfer_Information:**

Format_Name: PDF

Digital_Transfer_Option:**Online_Option:****Computer_Contact_Information:****Network_Address:****Network_Resource_Name:**

ftp://ftp.nodc.noaa.gov/pub/outgoing/CoRIS/data/nurc/oculina/clelia_dives/615

Access_Instructions: Download the PDF dive narrative and the associated video images from the directory.

Offline_Option:

Offline_Media: CDROM

Recording_Format: DUMMY VALUE

Fees: On-line data are available free of charge, other forms are available for the cost of reproduction

Ordering_Instructions: For CDROM contact Andrew Shepard. See contact information in the in Distributor section.

Metadata_Reference_Information:

Metadata_Date: 20060706

Metadata_Review_Date: 200711

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: NOAA Undersea Research Center at UNCW

Contact_Person: Andrew N. Shepard

Contact_Position: Associate Director, NURC

Contact_Address:

Address_Type: mailing and physical address

Address: NURC/UNCW, 5600 Marvin Moss Ln

City: Wilmington

State_or_Province: North Carolina

Postal_Code: 28409

Country: USA

Contact_Voice_Telephone: 910-962-2446

Contact_Facsimile_Telephone: 910-962-2444

Contact_Electronic_Mail_Address: sheparda@uncw.edu

Hours_of_Service: Mon-Fri, 8 am - 5 pm

Metadata_Standard_Name: FGDC Biological Data Profile of the Content Standard for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001.1-19